

Product Description

Chemical characterization	Zinc orthophosphate hydrate
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Zinc Phosphate ZP 10BS is a white anti-corrosive pigment for the application in protective coatings.

Technical Data

	Unit	Value	Test Method
Zinc as Zn	[%]	50.5 - 52.0	acc. to ISO 6745
Phosphorous as PO ₄ ³⁻	[%]	47.0 - 49.0	acc. to ISO 6745
Water-soluble chloride	[%]	max. 0.025	acc. to ISO 787-13
Water-soluble sulphate	[%]	max. 0.05	acc. to ISO 787-13
Lead as Pb	[ppm]	max. 10	ICP-OES
Cadmium as Cd	[ppm]	max. 10	ICP-OES
Loss on ignition 600 °C	[%]	8.5 - 10.0	acc. to ISO 6745
Conductivity	[µS/cm]	max. 150	acc. to ISO 787-14
pH value		6.0 - 8.0	acc. to ISO 787-9
Density	[g/cm ³]	typ. 3.3	acc. to ISO 787-10
Bulk density	[g/cm ³]	typ. 0.4	
Tamped density	[g/cm ³]	typ. 0.8	acc. to ISO 787-11
Oil absorption	[g/100g]	typ. 20	acc. to ISO 787-5
Sieve residue 32 µm	[%]	max. 0.01	acc. to ISO 787-7
Average particle size	[µm]	2.0 - 4.0	acc. to ISO 13319

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